

DNA GD WCSO POPULATION DATA

A. GUIDANCE DOCUMENT

- A.1 This document is to provide guidance only.
- A.2 This document does not create any additional requirements for staff to follow.
- A.3 There is no requirement that the steps provided herein be followed.
- A.4 The most recent version is not required to be utilized.
- A.5 Printed and electronic versions of this document are acceptable.

B. DNA WCSO POPULATION DATA

ALLELLE FREQUENCIES

Minimum and Null allele frequencies: African American = .02450, Caucasian = .02155, Hispanic = .02500

D3S1358

Allele	African American (N=102)	Caucasian (N=116)	Hispanic (N=100)
<12	.02450	.02155	.02500
12	.02450	.02155	.02500
13	.02450	.02155	.02500
14	.08824	.13793	.07000
15	.26471	.21552	.40000
15.2	.02450	.02155	.02500
16	.31863	.28448	.25000
17	.25490	.15948	.16000
18	.03922	.17241	.11500
19	.02450	.03017	.02500

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VWA

Allele	African American (N=102)	Caucasian (N=116)	Hispanic (N=100)
11	.02450	.02155	.02500
13	.02450	.02155	.02500
14	.04902	.11207	.09500
15	.22549	.08190	.06500
16	.18627	.21121	.31500
17	.23529	.25000	.25500
18	.18627	.20690	.17000
19	.07843	.11207	.06500
20	.02941	.02586	.02500

FGA

Allele	African American (N=102)	Caucasian (N=116)	Hispanic (N=100)
18	.02450	.02155	.02500
18.2	.02450	.02155	.02500
19	.04412	.03879	.09000
19.2	.02450	.02155	.02500
20	.06863	.13362	.07500
20.2	.02450	.02155	.02500
21	.12255	.15517	.13500
22	.18137	.18103	.14500
22.2	.02450	.02586	.02500
23	.21078	.16810	.13500
23.2	.02450	.02155	.02500
24	.18137	.17241	.15500
25	.09804	.06466	.14500
26	.02450	.02155	.06000
27	.02450	.02155	.04000
28	.02450	.02155	.02500
30	.02450	.02155	.02500

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D8S1179

Allele	African American (N=102)	Caucasian (N=116)	Hispanic (N=100)
8	.02450	.02586	.03000
9	.02450	.02155	.02500
10	.02450	.06897	.07500
11	.02450	.08190	.05000
12	.08333	.15086	.15500
13	.25490	.28879	.31000
14	.29412	.20259	.20500
15	.25980	.12931	.14500
16	.04902	.03017	.02500
17	.02450	.02155	.02500

D21S11

Allele	African American (N=102)	Caucasian (N=116)	Hispanic (N=100)
27	.04902	.03448	.02500
28	.29412	.16810	.07500
29	.16667	.22845	.19500
29.2	.02450	.02155	.02500
30	.20588	.23707	.36000
30.2	.02450	.03448	.02500
31	.08333	.06034	.06500
31.2	.02451	.08621	.11500
32	.02450	.02155	.02500
32.1	.02450	.02155	.02500
32.2	.07353	.08621	.09500
33	.02450	.02155	.02500
33.2	.03431	.03879	.03500
34	.02450	.02155	.02500
34.2	.02450	.02155	.02500
35	.03922	.02155	.02500

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D5S818

Allele	African American (N=102)	Caucasian (N=116)	Hispanic (N=100)
7	.02450	.02155	.07000
8	.04902	.02155	.02500
9	.02450	.02155	.05500
10	.04412	.05172	.03000
11	.28431	.34914	.42500
12	.31863	.40517	.29500
13	.27941	.15948	.10500
14	.02450	.02155	.02500
15	.02450	.02155	.02500

D13S317

Allele	African American (N=102)	Caucasian (N=116)	Hispanic (N=100)
8	.02450	.10776	.06000
9	.02941	.08190	.14000
10	.02941	.06466	.10500
11	.28922	.30603	.23000
12	.38235	.31034	.21500
13	.19118	.09914	.19000
14	.05392	.02586	.05500
15	.02450	.02155	.02500

TH01

Allele	African American (N=102)	Caucasian (N=116)	Hispanic (N=100)
5	.02450	.02155	.02500
6	.18137	.26293	.15000
7	.45098	.12931	.35500
8	.13235	.09914	.10500
8.3	.02450	.02155	.02500
9	.12745	.14655	.11500

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Washoe County Sheriff's Office - Forensic Science Division
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9.3	.10294	.34052	.21500
10	.02450	.02155	.02500

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D7S820

Allele	African American (N=102)	Caucasian (N=116)	Hispanic (N=100)
7	.02450	.02155	.02500
8	.18627	.15086	.10000
9	.09314	.22845	.09500
10	.35784	.30172	.25500
10.1	.02450	.02155	.02500
11	.19118	.18534	.30500
12	.13725	.09052	.21500
13	.02451	.02155	.02500

CSF1PO

Allele	African American (N=102)	Caucasian (N=116)	Hispanic (N=100)
7	.06373	.02155	.02500
8	.06863	.00431	.02500
9	.06373	.03017	.03000
10	.27941	.23707	.27000
11	.22549	.28879	.27500
12	.25000	.34483	.35000
13	.04412	.08190	.04000
14	.02450	.02155	.02500

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D18S51

Allele	African American (N=102)	Caucasian (N=116)	Hispanic (N=100)
9	.02450	.02155	.02500
10	.02450	.02155	.02500
11	.02450	.02155	.03500
12	.08824	.14655	.10500
13	.04902	.13362	.11000
13.2	.02450	.02155	.02500
14	.09314	.16810	.14500
14.2	.02450	.02155	.02500
15	.10294	.13793	.16000
15.2	.02450	.02155	.02500
16	.17647	.12069	.14500
17	.16176	.14655	.15000
18	.13235	.05603	.06000
19	.09804	.04310	.04500
20	.05392	.02586	.02500
21	.02450	.02155	.02500
22	.02450	.02155	.02500
22.2	.02450	.02155	.02500
23	.02450	.02155	.02500
24	.00490	.02155	.02500

TPOX

Allele	African American (N=102)	Caucasian (N=116)	Hispanic (N=100)
6	.07576	.02155	.02500
7	.02450	.02155	.02500
8	.33838	.55603	.51500
9	.18687	.11207	.06500
10	.12121	.02155	.06000
11	.23737	.27586	.25000
12	.02450	.04310	.10500

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D16S539

Allele	African American (N=102)	Caucasian (N=116)	Hispanic (N=100)
8	.02450	.02155	.02500
9	.18627	.13362	.14500
10	.10294	.07328	.21500
11	.37745	.25431	.26500
12	.17647	.30172	.23500
13	.13235	.19828	.11500
14	.02450	.02155	.02500
15	.02450	.02155	.02500

REFERENCES

WCSO database generation and validation.

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